

Applicant: Hartrampf
Application Serial No.: 09/808,591
Filing Date: March 14, 2001
Docket No.: 442-117
Page 2

At page 7, replace the paragraph beginning at line 9 with the following:

42
The drive coil system 15 may be single or multi-strand in structure, the corresponding coil strands alternating axially respectively in their direction of winding. The coil width should be selected in a manner dependent on the width of the magnets 13 employed in accordance with the division of the whole number of coil strands. This means that in the case of the two strand drive coil system 15, represented in the working example of the invention, the width of a coil part is equal to half the width of a magnet 13. In the case of use of multi-strand coil systems commutation of the coil strands is necessary in accordance with their positions in relation to the magnets 13 of the armature. Such an inherently known commutating arrangement is not illustrated in detail and may be electronic or mechanical.

At page 9, replace the paragraph beginning at line 26 with the following:

43
In order to be able to now use the principle of integrated displacement measurement, it is necessary for the drive coil system 25 and, respectively, 15 to be so designed that a differential choke system is produced. This will be explained with reference to figure 3 and two coil parts 29 and 30 of the drive coil system 25 and, respectively, 15 used in the working embodiment of the invention. In the case of this two strand coil system employed in the working example, in which in the axial direction every second coil part 29 and 30 as connected in series leads to one strand, these coil parts 29 and 30 are again divided up into coil regions 29a and 29b and also respectively 30a and 30b and so wound that there is a

44 72 122